

Converting Colors

XYZ(65.5868, 47.9175, 77.9802)

Have a look what the booklet for
XYZ(65.5868, 47.9175, 77.9802)
contains.

XYZ(65.5574, 47.9308, 77.7478)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(65.5574, 47.9308,
77.7478)**

Conversions

Conversions Part 1

Format	Color
Hex	FF94E2
RGB	255, 148, 226
RGB Percent	100%, 58%, 89%
CMY	0.0000, 0.4196, 0.1137
CMYK	0.00, 0.42, 0.11, 0.00
HSL	316°, 100%, 79%
HSV	316°, 42%, 100%
XYZ	65.5574, 47.9308, 77.7478
YIQ	188.8850, 38.7340, 46.9420

Conversions

Conversions Part 2

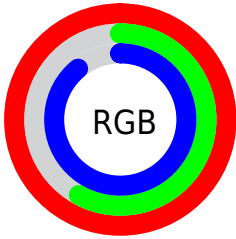
Format	Color
R_{YB}	255, 148, 226
Decimal	16749794
CIE _{Lab}	74.78, 50.47, -22.24
CIE _{LCh}	75, 55.156, 336.219
Yxy	47.9308, 0.3428, 0.2506
Android (android.graphics.Color)	4294939874 (0xFFFF94E2)
YUV	188.8850, 18.2977, 57.9829
Hunter-Lab	69.2321, 47.8695, -18.1204

Details

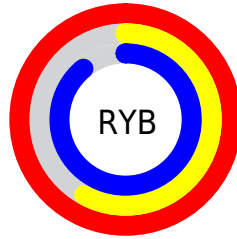
The XYZ color **65.5574, 47.9308, 77.7478** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **55.9102, 80.9910, 54.2838**, and the grayscale version is **48.1886, 50.6981, 55.2102**.

A 20% lighter version of the original color is **80.8829, 71.6657, 104.1776**, and **34.1183, 22.6814, 41.1078** is the 20% darker color. If you saturate the color by 10%, you get **61.0598, 40.4229, 71.6638**, and if you desaturate by 10%, it is **70.9763, 57.2198, 84.3288**.

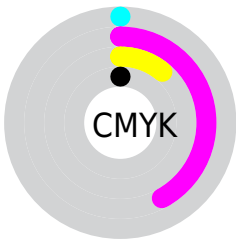
Distribution



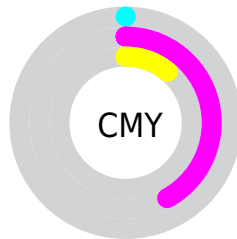
- Red (100%)
- Green (58%)
- Blue (89%)



- Red (100%)
- Yellow (58%)
- Blue (89%)



- Cyan (0%)
- Magenta (42%)
- Yellow (11%)
- Black (0%)




- Cyan (0%)
- Magenta (42%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.5574, 47.9308, 77.7478 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 65.5574, 47.9308, 77.7478 by changing the saturation by 10% instead.


 65.5574, 47.9308,
77.7478


 65.5574, 47.9308,
77.7478


434.3059,
378.5178, 506.8151

 48.1796, 33.7721,
57.3516

 111.9121, 87.1014,
131.9772

 34.1810, 22.7186,
40.8764


 141.6197,
112.8820, 166.6474

 23.1962, 14.3858,
27.9035


176.1679,
143.3054, 206.9128

 14.8599, 8.3895,
18.0145

215.9221,
178.7560, 253.1918

 8.8068, 4.3452,
10.7909

261.2477,
219.6181, 305.9030

 4.6715, 1.8685,
5.8140

312.5099,

 2.0886, 0.5293,

266.2762, 365.4649

2.6654

370.0742,
319.1146, 432.2961

■ 0.6830, 0.0000,
0.9259

■ 0.0000, 0.0000,
0.0000

■ 65.5574, 47.9308,
77.7478

■ 65.5574, 47.9308,
77.7478

■ 61.0598, 40.4229,
71.6638

■ 70.9763, 57.2198,
84.3288

■ 57.4214, 34.5730,
66.0520

■ 77.3668, 68.3905,
91.4238

■ 54.5772, 30.2518,
60.8891

■ 84.7796, 81.5429,
99.0525

■ 52.4513, 27.3081,
56.1476

■ 93.2604, 96.7682,
107.2322

■ 50.9521, 25.5595, 95.0500, 100.0000,
51.7946 108.9000

■ 50.0908, 24.8003,
48.5376

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



57.9140, 47.9308, 110.5536



65.5574, 47.9308, 77.7478



67.5170, 47.9308, 46.4372

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.5574, 47.9308, 77.7478



43.5017, 47.9308, 14.3112



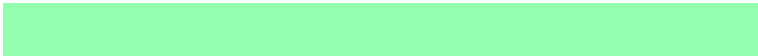
31.7151, 47.9308, 92.0472

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



65.5574, 47.9308, 77.7478



55.9102, 80.9910, 54.2838

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



28.9638, 47.9308, 58.3961



65.5574, 47.9308, 77.7478



35.0956, 47.9308, 19.1324

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.5574, 47.9308, 77.7478



53.7751, 47.9308, 16.2315



30.1040, 47.9308, 32.9521



38.2216, 47.9308, 120.7073

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.5574, 47.9308, 77.7478



65.1169, 47.9308, 31.4113



30.1040, 47.9308, 32.9521



30.3675, 47.9308, 80.5555

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



65.5585, 47.9328, 77.7488



83.9583, 80.0777, 98.2324



46.6673, 37.6947, 99.4239



17.6062, 16.4912, 20.6581



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.5585, 47.9328, 77.7488



61.8711, 41.7590, 72.8174



59.3709, 45.4578, 45.1657



18.5702, 18.2114, 21.6199



26.2393, 12.9850, 25.7085



2.6006, 1.2826, 2.7443

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



65.5585, 47.9328, 77.7488



61.8711, 41.7590, 72.8174



62.2617, 83.5316, 87.7302



18.5702, 18.2114, 21.6199



26.2393, 12.9850, 25.7085



2.6006, 1.2826, 2.7443

Previews

White Background



This preview shows how the XYZ color 65.5574, 47.9308, 77.7478 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 65.5574, 47.9308, 77.7478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

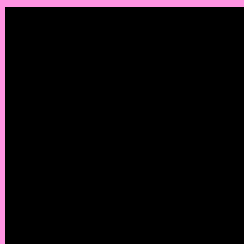
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.5574, 47.9308, 77.7478

Background



This preview shows how black text looks on a background with the XYZ color 65.5574, 47.9308, 77.7478.



This preview shows how white text looks on a background with the XYZ color 65.5574, 47.9308,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

65.5574, 47.9308, 77.7478

Protanopia

49.6576, 48.4203, 97.9956

Deuteranopia

49.2471, 48.1241, 74.4034



Tritanopia

58.8157, 47.8763, 44.6692

Trichromacy



Original Color

65.5574, 47.9308, 77.7478



Protanomaly

53.6904, 47.1660, 90.2786



Deuteranomaly

53.7658, 46.9808, 75.3417



Tritanomaly

60.9090, 47.7135, 55.2896

Monochromacy



Original Color

65.5574, 47.9308, 77.7478



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

53.2373, 48.6825, 62.4679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.5574, 47.9308, 77.7478 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 148, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 148, 226)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 148, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 148, 226) }
```

Border

The CSS property to change the border of an element to XYZ 65.5574, 47.9308, 77.7478 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 148, 226) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(255, 148, 226) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(255, 148, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 148, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 148, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 148,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 65.5574, 47.9308, 77.7478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 148, 226) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
148, 226) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor